

ABSTRACT

A driving circuit of active matrix organic electroluminescence diode is disclosed. Each pixel includes three TFTs and two capacitors. A gate of scan reset TFT is controlled by the scan line of the row where the pixel is located and a drain of scan reset TFT is connected to the data line of the column where the pixel is situated. Detect TFT is controlled by one Threshold-Lock line. One capacitor C_d is used to store data voltage (V_{data}) of image signals and the other capacitor C_t is used to store the threshold voltage (V_{th}) of driving TFT. Therefore, the sum of capacitors C_d and C_t will drive the driving TFT to output the corresponding current to the organic electroluminescence element.